

INFORMATICS FOR MANAGEMENT - 1<sup>ST</sup> YEAR

NUMBER: \_\_\_\_\_ NAME: \_\_\_\_\_ CLASS GAi

**Excel Mini-Exam 2 (VBA) - Duration: 20m**

You must submit this sheet with your answers, writing the missing VBA code on the lines reserved for this purpose. You have 20 minutes to answer to these five questions.

1. Write the code to complete a function that converts kilograms (kgs) to pounds (lbs).

```
Public Function to_pounds (kgs As Double)
    ' Note: 1 kilogram ≈ 2.2 pounds
    Dim rate As Double
    rate = 2.2
    .....
End Function
```

2. Complete the code of this macro to indicate whether the number entered by the user is even or odd.

```
Public Sub even_odd()
    Dim number As Long, remainder As Integer
    number = InputBox ("Write the number: ")
    remainder = number Mod 2
    .....
    MsgBox ("The number " & number & " is even!")
    .....
    MsgBox ("The number " & number & " is odd!")
    .....
End Sub
```

3. Develop a Macro to read a number n and to write n times a window with your country.

```
Public Sub write_country()
    Dim i As Integer, n As Integer, country As String
    n = InputBox ("Write a number: ")
    country = InputBox ("From which country are you from? ")
    i = 1
    .....
    MsgBox (i & ": Your country is " & country)
    .....
Loop
End Sub
```

4. Complete the following function so that, given two numbers (as arguments), calculates the difference between the highest number and the lowest.

```
Public Function dif (number1 As Integer, number2 As Integer) As Integer
    If number1 > number2 Then
        .....
    Else
        .....
    End If
End Function
```

5. Complete the code that allows you to write a sequence of n odd numbers, on the monitor, starting by 1 (You can use different types of cycles to solve this; we suggest a cycle type: Do... .. Loop).

```
Public Sub sequence()
    Dim n, i As Integer
    n = InputBox ("How many odd numbers do you want to write? ")
    i = 1
    .....
    .....
    .....
    Loop
End Sub
```